

IN THE SPECIFICATION:

Paragraph beginning at line 25 page 26 has been amended as follows:

The electrical equipment section, such as the drive motor 103a and the magnetic bearings 103b, rotates the rotor 101 at several ten thousand r.p.m until a vacuum is generated in the process chamber, and soon begins to generate heat. At the same time, a refrigerant is allowed to flow in the cooling water pipe 104 through the outer pipe. The cooling water pipe 104 buried in the stator column 102a begins to achieve the cooling effect. The refrigerant flowing in the cooling water pipe 104 acts so as to mainly cool the nearby electrical equipment section and absorb heat. Specifically, since the cooling water pipe 104 is buried in the wall of the stator column 102a, the cooling effect of the cooling water pipe 104 propagates in the stator column 102a and acts so as to cool the nearby electrical equipment section. Therefore, the cooling water pipe 104 has only to have cooling capacity enough to cool the nearby electrical equipment section, and the cooling effect is not transmitted ~~not propagate~~ to the base 102b and the thread stator 108 through the stator column 102a. As a result, the electrical equipment section maintains a stable temperature without temperature rise caused by heat generation of the electrical equipment section itself, the

cooling effect is less prone to propagate to other members,
and gas molecules are less prone to be deposited by the
cooling effect of the cooling water pipe 104.